Mem. Qd Mus. **20**(3): 613–33. [1982]

A CATALOGUE OF FOSSIL AMPHIBIANS AND REPTILES IN QUEENSLAND

R.E. MOLNAR
Queensland Museum

In the past few years much new Mesozoic reptile and amphibian material has been uncovered in Queensland. Thus the time is ripe for a bibliographic treatment of fossil reptiles and amphibians in Queensland, before the amount of published literature becomes unwieldly. This paper presents such an attempt laid out in the style of *Fossilium Catalogus*. Synonymies are presented wherever possible, and the bibliographic citations are restricted either to specimens from Queensland, or items directly relevant to specimens from Queensland. I have not chosen to cite all works but have included those in the following six categories: substantive works, i.e. descriptions, revisions, etc.; works with illustrations of Queensland material; works with reconstructions or restorations of Queensland material; early records; citations of material that were vague or incomplete and are here clarified; and, interesting citations. Material identified only to a taxon higher than genus has been included where known to me, but no claim to completeness is made. Indeed I would much appreciate hearing from readers knowing of any such material not here included.

Type descriptions are designated by an asterisk. The material cited is the holotype specimen for nominate species unless otherwise designated. Note that all references to the four Hill, Playford and Woods publications are to plate number and not page number.

Abbreviations:

aff., affinity; AM, Australian Museum, Sydney; BMNH, British Museum (Natural History), London; d., dc; F., family; fig., figure; Fm., formation; Gr., group; ifc., inside front cover; indet., indeterminate; LM. Palaeontolgical Institute, University of Lund, Lund; Ls., limestone; Mem., member; NMV, National Museum of Victoria, Melbourne; No., number; O., order; p., page; pl., plate; QM, Queensland Museum, Brisbane; rt., right; sp., species; Ss., sandstone; T., volume (tome); unident., unidentified; USDG, University of Sydney, Department of Geology, Sydney; v., von; vol., volume.

PALAEOZOIC

Almost no tetrapod material is known from the Palaeozoic of Australia, although hopefully such material may be forthcoming in the future, with further exploration of Permian and Carboniferous beds. The only skeletal material thus far known of Palaeozoic tetrapods is from New South Wales, and consists of two Permian labyrinthodonts, *Bothriceps australis* and *Trucheosaurus major*, now considered synonymous, and a Devonian possible ichthyostegalian, *Metaxygnathus denticulus*.

UPPER PERMIAN

Tracks

1969 animal tracks, possibly bottom-feeding fish: Malone et al., p. 53, pls. 4–5.

1972a large amphibian, and possible lepospondyl tracks: Warren, p. 160–2, figs. 1–2.

AGE: Blackwater Gr., Burngrove Fm.

REMARKS: The tracks shown in Warren, fig. 1 and interpreted as a tail trace can also be interpreted as claw drag traces. If Warren is correct in interpreting some of these traces as representing a lepospondyl, it would be as she points out the latest known survivor of that group.

MESOZOIC

Until the mid 1960's Mesozoic tetrapods in Australia were known largely from marine forms, plesiosaurs and ichthyosaurs, and only literally a handful of specimens representing terrestrial forms. The discovery of several Triassic sites in Western Australia, in Tasmania and in Queensland has greatly illuminated our understanding of the faunas of the early Triassic. Jurassic tetrapods are still known from five specimens, all from Queensland. One of these, the latest known surviving labyrinthodont, suggests that much of interest remains to be learned from the Australian Jurassic. More fortunately, the Lower Cretaceous is becoming better understood from the discoveries of dinosaurs in southern Victoria and west and north Queensland. Upper Cretaceous tetrapods

are still rare in Australia, reflecting the paucity of recognized Upper Cretaceous sediments. In addition to those listed from Queensland (probably Upper Cretaceous) there are some marine reptile (ichthyosaur, mosasaur and plesiosaur) remains from Western Australia.

LOWER TRIASSIC

AMPHIBIA
O. TEMNOSPONDYLI
F. BRACHYOPIDAE

Brachyops allos Howie 1971

*1971 *Brachyops allos:* Howie, p. 268–77, figs. 1–3, pls. 14–5.
1972b *Brachyops allos:* Warren, p. 281, fig. (second).
1981a *Brachyops allos:* Warren, p. 278–80, 283–4, 286, figs. 8–9.
1981b *Brachyops allos:* Warren, p. 285–9, fig. 1, pl. 1.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Skull and jaws (QM F6572).

F. CHIGUTISAURIDAE

Keratobrachyops australis Warren 1981

*1981 *Keratobrachyops australis:* Warren, p. 273–88, figs. 1–11.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Skull and jaws (QM F10115).

F. CAPITOSAURIDAE

Parotosuchus gunganj Warren 1980

*1980 *Parotosuchus gunganj:* Warren, p. 29–32, figs. 3–7.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Skull and jaw (QM F10114).

Parotosuchus rewanensis Warren 1980

*1980 *Parotosuchus rewanensis:* Warren, p. 26–9, figs. 1–2, 5.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Skull (QM F6571).

F. RHYTIDOSTEIDAE

Deltasaurus? sp.

1972b (?) *Deltasaurus:* Warren, p. 281. (In faunal list only).

AGE: Rewan Gr., Arcadia Fm.

F. INDOBRACHYOPIDAE

Rewana quadricuneata Howie 1972

*1972 *Rewana quadricuneata:* Howie, p. 50–64, figs. 1–6, pl. 1.
1972b *Rewana quadricuneata:* Warren, p. 281.
1979 *Rewana quadricuneata:* Cosgriff & Zawiskie, p. 20–1.
1980c *Rewana:* Molnar, p. 48, fig. 3.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Skull, vertebrae and haemal arches, ribs, scapulocoracoid, humerus, radius, ulna, ilium, femur, tibia, fibula, phalanges (QM F6471). Most elements are incomplete.

Unidentified labyrinthodont and thecodont material

1926 Crocodilia: Jensen, p. 144.

AGE: Rewan Gr., Arcadia Fm.

REMARKS: This material (QM F1342) is referable to labyrinthodont amphibians (not further identifiable) and a thecodont (probably *Kalisuchus*).

REPTILIA
O. COTYLOSAURIA
F. PROCOLOPHONIDAE

Procolophonid

1970 ?paliguanid reptiles: Bartholomai & Howie, p. 1063, fig. 2.
1975 ?*Procolophon:* Colbert & Kitching, p. 22.
1979 procolophonid: Bartholomai, p. 225.
1980c procolophonian: Molnar, p. 48.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Skulls and jaws.

REMARKS: This material is now recognized as pertaining to a procolophonid similar to *Procolophon.*

O. SQUAMATA
F. PALIGUANIDAE

Kudnu mackinlayi Bartholomai 1979

*1979 *Kudnu mackinlayi:* Bartholomai, p. 231–3, figs. 5–6.
1980c *Kudnu mackinlayi:* Molnar, p. 48, fig. 4.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Anterior portion of skull and jaws (QM F9181).

F. PROLACERTIDAE

Kadimakara australiensis Bartholomai 1979

*1979 *Kadimakara australiensis:* Bartholomai, p. 226–31, figs. 1–4.
1980c *Kadimakara australiensis:* Molnar, p. 48, fig. 5.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Posterior portion of skull and jaw (QM F6710).

O. THECODONTIA
F. PROTEROSUCHIDAE

Kalisuchus rewanensis Thulborn, 1979

*1979 *Kalisuchus rewanensis:* Thulborn, p. 331–44, fig. 1, pls. 1–5.
1980c *Kalisuchus rewanensis:* Molnar, p. 48–9.
1980 *Kalisuchus rewanensis:* Thulborn, p. 246, fig. 5.

AGE: Rewan Gr., Arcadia Fm.

MATERIAL: Rt. maxilla (QM F8998). Referred material includes other portions of the skull as well as jaws, fore and hind limbs and girdles, and vertebrae.

UPPER TRIASSIC

O. SAURISCHIA
F. ANCHISAURIDAE

Agrosaurus macgillivrayi Seeley 1891

*1891 *Agrosaurus macgillivrayi:* Seeley, p. 164–5, figs. 1–6.
1906 *Thecodontosaurus macgillivrayi:* v. Huene, p. 50–2, figs. 86–90.
1932 *Agrosaurus macgillivrayi:* v. Huene, p. 52, 295. (Bibliographic entry only on 295).
1950 *Agrosaurus macgillivrayi:* David, p. 468.
1955 *Agrosaurus:* d. Lapparent & Lavocat, p. 800–1.
1956 *Agrosaurus:* v. Huene, p. 477.
1970 *Agrosaurus macgillivrayi:* Steel, p. 13.
1976 *Thecodontosaurus macgillivrayi:* Galton & Cluver, p. 142–3, figs. 11H–J.
1980c *Agrosaurus macgillivrayi:* Molnar, p. 49–50, fig. 7.

AGE: Not known, but presumed Upper Triassic, although such beds are not presently mapped along the northeast Queensland coast where the material was allegedly collected. David has suggested that the material may actually be Lower Jurassic in age.

MATERIAL: Tooth, radius, tibia, phalanx (BMNH 49984). A cast of the tibia (QM F11614) is held at the QM.

TRACKS

Labyrinthodont tracks

1954 quadruped: Colliver, p. 78–9.
1965 stereospondyl footprint: Hill, Playford and Woods, pl. T13(7)
1966a labyrinthodont amphibian tracks: Bartholomai p. 149.
1973 amphibia and a bipedal animal: Stevens, p. 12.

AGE: Tingalpa Fm (at Petrie's Quarry, Albion, Brisbane).

Theropod tracks

1964 probably large bipedal theropod: Staines & Woods, p. 55, fig. 1.
1965 theropod footprint: Hill, Playford & Woods, pl. T13(6).
1966a Rhondda dinosaur: Bartholomai, P. 148, fig. (second).

AGE: Blackstone Fm. (at Rhondda colliery, near Ipswich).

MATERIAL: Single track (QM F5474)

REMARKS: The Rhondda dinosaur tracks are very similar to those of *Eubrontes* from the Connecticut Valley of North America, but are slightly older (Bartholomai, 1966a)

Plectropterna sp.

1966 perhaps flying reptile: Williams, p. 15.

AGE: Blackstone Fm.

REMARKS: These tracks, from the Triassic of Bergin Hill Quarry, Goodna (near Brisbane) are not from a flying reptile, but from *Plectropterna* (Fig. 1). *Plectropterna* has previously been reported only from the Portland Arkose of Connecticut and Massachusetts (Haubold 1971). The single well-preserved track collected (QM F12220) fits the diagnosis (Lull, 1953, p. 250; Haubold, 1971, p. 50) in all but one point: the recurved impression of the hallux. However it is to be noted that Lull states that the hallux is 'usually recurved' (p. 251), and that of the five *Plectropterna* tracks that he illustrates, only two (figs. 124, 126) show the hallux impression as recurved. The Bergin Hill specimen is one of the largest recorded with an overall length of 190 mm.

LOWER JURASSIC

AMPHIBIA
O. TEMNOSPONDYLI
F. BRACHYOPIDAE

Austropelor wadleyi Longman 1941

*1941 *Austropelor wadleyi,* Longman, p. 29–32, pl. 5.
1956 *Australopelor:* v. Huene p. 97.
1960 *Austropelor wadleyi,* d. Jersey in Cameron et al., p. 291.
1964 *Austrapelor:* Konzhukova, p. 63.
1964 *Austrapelor,* Tatarinov p. 57.
1966 *Austropelor wadleyi,* Hill, Playford & Woods, pl. J15(3).

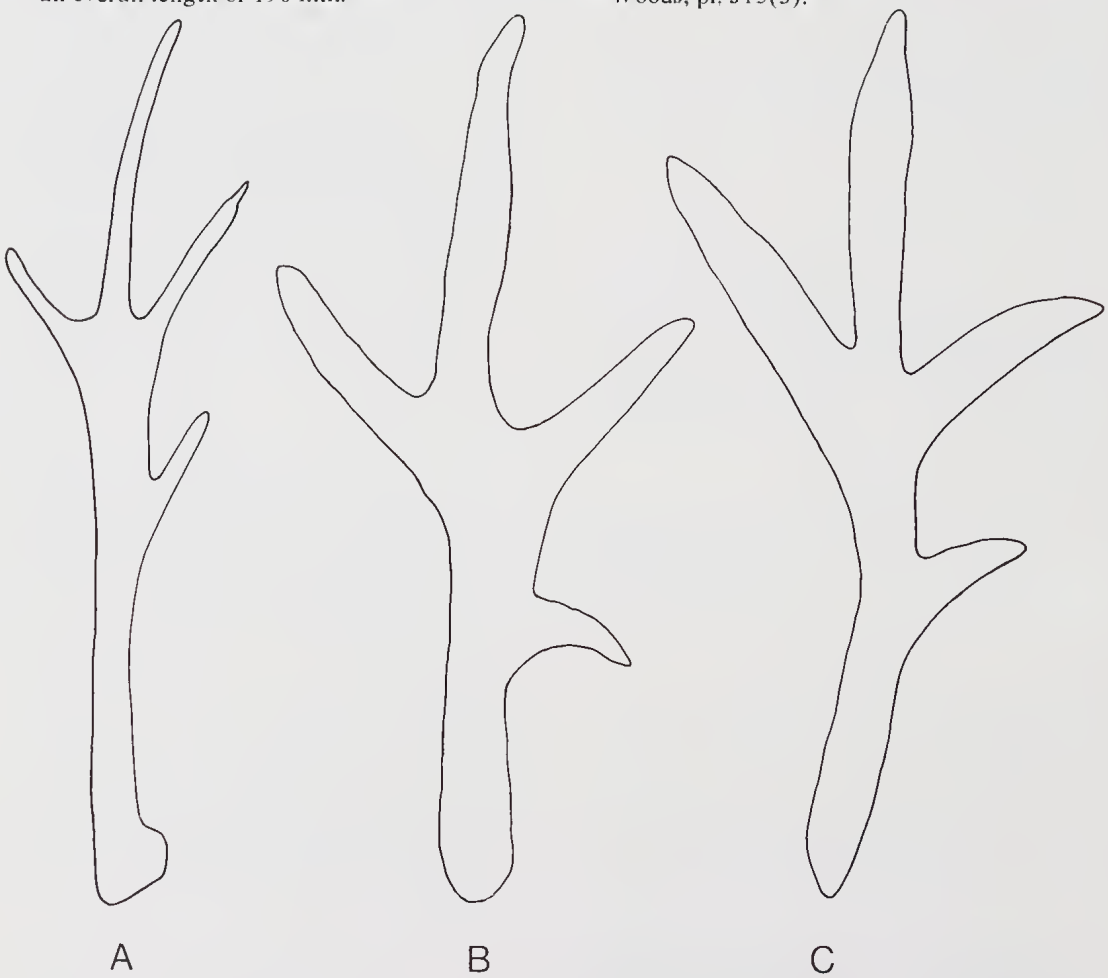

FIG. 1. Tracks of *Plectropterna.* A, *P.* sp. (QM F12220) from the Upper Triassic Blackstone Fm., of Goodna, near Brisbane, Queensland; B, *P. minitans* from Massachusetts; and, C. *P. gracilis* also from Massachusetts. A, c. 1/3 x, B, c. 1/2 x, C, c. 1x. (B and C after Lull, 1953.)

1967 *Austropelor wadleyi,* Colbert, p. 35–42, pl. 6.
1969 *Austropelor,* Laseron & Brunnschweiler p. 177.
1970 *Austropelor wadleyi:* Cameron, p. 5.
1977 *Austropelor wadleyi:* Warren, p. 437.
1980c *Austropelor:* Molnar, p. 50.

AGE: Not conclusively settled it derives from the Marburg Ss. usually considered to be Lower Jurassic. Colbert (1967) however has argued that the Marburg may well be Triassic in age. It is here included as Jurassic from convenience not conviction.

MATERIAL: Jaw fragment (QM F2628).

F. UNCERTAIN

The Kolane labyrinthodont

1977 Kolane amphibian: Warren, p. 436–7, fig. 1.
1977 labyrinthodont: Milner p. 402.
1980a brachyopid labyrinthodont: Molnar, p. 131.
1980c Kolane labyrinthodont: Molnar, p. 50.

AGE: Evergreen Fm.

REPTILIA
O. SAUROPTERYGIA
F. UNCERTAIN

The Kolane plesiosaurs

1980 plesiosaurs: Thulborn & Warren, p. 224–5, fig. 1.

AGE: Evergreen Fm.

F. RHOMALEOSAURIDAE

?Leptocleidus sp.

1966c *Leptocleidus:* Bartholomai, p. 437.
1967 plesiosaurian: Playford & Cornelius, p. 84, 91.
1980c *Leptocleidus:* Molnar, P. 54.

AGE: Razorback beds, Lower Jurassic.

MATERIAL: A large number of natural moulds of vertebrae, teeth, and other elements (QM F3983 – QM F4036 inclusive).

REMARKS: The Lower Jurassic date of the Razorback beds, demonstrated by Playford & Cornelius (1967), casts some doubt on the identification of these remains as *Leptocleidus,* a genus hitherto known only from the Lower Cretaceous (Persson, 1963). While date is not a good taxonomic character, the incompleteness of the material and existence of similar forms in the Liassic of western Europe (e.g. *Eurycleidus)* suggests that a redetermination of this material is in order. On the other hand it must be admitted that the characteristic deep transverse processes of the anterior dorsals characterising *L. superstes* (Andrew, 1922; Bartholomai, 1966c) are clearly present on the Mount Morgan material. Perhaps freshwater pleisiosaurs originated in Australia. My comments on this occurrence (Molnar, 1980c) must now be regarded as invalidated by this 'new' dating.

TRACKS

Theropod tracks

1954 dinosaurs: Colliver, p. 78
1954 dinosaur footprints: Staines, p. 483–5, two figs.
1966a dinosaur footprints: Bartholomai, p. 150.
1967 theropods: Playford and Cornelius, p. 84.
1980 theropod footprints: Molnar, p. 131.

AGE: Lower Jurassic.

REMARKS: My comments on this occurrence (Molnar, 1980a) have been invalidated by the dating of these beds as Lower Jurassic by Playford & Cornelius (1967). These tracks are just what would be expected of Lower Jurassic theropod tracks.

O. SAURISCHIA
F. UNCERTAIN

Rhoetosaurus brownei Longman 1926

1926 a dinosaurus: Jensen, p. 49.
*1926 *Rhoetosaurus brownei*: Longman, p. 183–94, pls. 29–33.
1927 *Rhoetosaurus brownei*: Longman, p. 1–18, figs. 1–4, pls. 1–5.
1929 *Rhoetosaurus brownei*: Longman, p. 249–50, pl. 29. (Reconstruction).
1932 *Rhoetosaurus brownei*: v. Huene, p. 255–6, 312. (Bibliographic entry only on 312).
1950 *Rhaetosaurus brownei*: David, p. 468
1955 *Rhoetosaurus*: d. Lapparent & Lavocat, p. 821.
1956 *Rhoetosaurus*: v. Huene, p. 500.
1964 *Rhoetosaurus brownei*: Rozhdestvenskii, p. 544.

1966 *Rhaetosaurus brownei*: Hill, Playford & Woods, pl. J15(1). (This is a new illustration, not reproduced elsewhere).
1969 *Rhaetosaurus*: Lascron & Brunnschweiler, p. 175–6.
1970 *Rhoetosaurus brownei*: Steel, p. 66.
1974 *Rhaetosaurus brownei*: Gould, p. 35.
1981 *Rhoetosaurus brownei*: Coombs & Molnar, p. 358.

AGE: Probably Injune Creek beds.

MATERIAL: One cervical, dorsals, sacrals and caudals, ribs, ischia, femur, tibia, fibula, pes (QM F1695).

REMARKS: The holotype material has also been given the number QM F1751.

TRACKS

Changpeipus bartholomaii Haubold 1971

1966a dinosaur footprints: Bartholomai, fig. (third, p. 149).
1966 theropod footprint: Hill, Playford and Woods, pl. J15(4).
1970 dinosaur footprint, Cameron, p. 9. (In list only).
*1971 *Changpeipus bartholomaii*: Haubold, p. 79.

AGE: Walloon Gr., at Westvale No. 5 colliery.

MATERIAL: Single track (QM F5700) and cast of (second) track (QM F12221).

Theropod tracks from the Bruce Seam, Walloon Gr.

1933 dinosaurian footprints: Ball, p. 384 (Lanefield No. 2 colliery).
1934a dinosaur footprints: Ball, p. 297, three figs. (Lanefield No. 2).
1934b dinosaurian footprints: Ball, p. 224, three figs. (Lanefield No. 2).
1946 dinosaur footprints: Ball, p.179, two figs. (Lanefield No. 2 Extended colliery).
1950 tracks: David, p. 468. (Lanefield).
1952b dinosaur footprints: Anon., p. 950. (Both collieries).
1958 bipedal form: Hills, p. 99. (Lanefield No. 2)
1969 dinosaur footprints: Laseron & Brunnschweiler, p. 175. ("Lanefield Extended")
1970 dinosaur footprints: Cameron, p. 9. (Both collieries).

AGE: Walloon Gr.

Theropod tracks from the Wass Seam, Walloon Gr.

1952b dinosaur footprints: Anon., p. 950.
1970 dinosaur footprints: Cameron, p. 9.

AGE: Walloon Gr.

REMARKS: Cameron (1970) points out that Anon. (1952b) has incorrectly recorded these tracks from Lowfield No. 2 colliery when they are in fact from Westvale No. 6.

Theropod and quadruped tracks

1951 dinosaurs footprints: Anon., p. 583.
1952a dinosaurs footprints: Anon., p. 107, one fig.
1952b dinosaur footprints: Anon., p. 949–50, three figs.
1966a theropod dinosaur: Bartholomai, p. 148.
1966 ?coelurosaurian footprint: Hill, Playford & Woods, pl. J15(6).
1966 ?stegosaurian footprint: Hill, Playford & Woods, pl. J15(5).
1969 beast of the *Iguanodon* type: Laseron & Brunnschweiler, p. 175.
1970 Dinosaur Footprint: Brooks, p. 21, fig. 31.
1974 large theropod footprints: Gould, p.35.

AGE: Walloon Gr.

MATERIAL: Large theropod (QM F3278), small theropod (QM F5702), ?stegosaur (QM F5701).

REMARKS: The tracks described by Anon. (1951, 1952a, 1952b) all pertain to large theropods, as does, probably, that referred to by Laseron & Brunnschweiler. All references save Gould (1974) refer to Balgowan colliery, Gould refers to Roughrigg No. 5 and United No. 8 collieries.

LOWER CRETACEOUS

REPTILIA
O. CHELONIA
F. UNCERTAIN

Cratochelone berneyi Longman 1915

*1915 *Cratochelone berneyi:* Longman, p. 24–9, figs. 1–2, pls. 12–3.
1955 *Cratochelone:* Bergounioux, p. 515.
1960 *Cratochelone berneyi:* Zangerl, p. 309.
1981 *Cratochelone berneyi:* Gaffney, p. 4–5.

AGE: Presumably Toolebuc Fm., Albian.

MATERIAL: Left shoulder girdle, humerus, radius, ulna, plastral fragments (QM F550). Elements all incomplete.

REMARKS: Zangerl (1960) and Gaffney (1981) are both unable to relate this material to known taxa and Gaffney suggests that further material is necessary to determine its relationships.

F. CHELONIIDAE

Notochelone costata (Owen 1882)

*1882b *Notochelys costata:* Owen, p. 178–83, figs. 1–2.
1886 *Notochelys costata:* Etheridge, p. 239–40.
1889a *Notochelone costata:* Lydekker, p. 325.
1889b *Notochelone costata:* Lydekker, p. 70.
1892 *Notochelone costata:* Jack & Etheridge, p. 505.
1911 *Notochelone costata:* d. Vis, p. 3–11, pls. 3–4.
1935 *Notochelone costata:* Longman, p. 239.
1960 *Notochelone costata:* Zangerl, p. 308–9.
1976 *Notochelone:* Gaffney, p. 326.
1981 *Notochelone costata:* Gaffney, p. 5–8, figs. 3–4.

AGE: Toolebuc Fm., Albian.

MATERIAL: Anterior portions of carapace and plastron with some limb material (USDG 6951). Much further material representing almost every portion of the skeleton has been collected by the QM, including at least three almost complete and well preserved skulls.

REMARKS: If all of the small chelonian material of the Toolebuc is referable to this taxon (an assumption needing further study), then it is probably the most abundant tetrapod in the Toolebuc Fm.

Cf. *Notochelone*

1981 cf. *Notochelone:* Gaffney, p. 7–8.

AGE: Toolebuc Fm., Albian.

MATERIAL: See Gaffney, 1981.

O. SAUROPTERYGIA
F. PLIOSAURIDAE

Kronosaurus queenslandicus Longman 1924

*1924 *Kronosaurus queenslandicus:* Longman, p. 26–8, pl. 4.
1930 *Kronosaurus queenslandicus:* Longman, p. 1–7, figs. 1–4.
1932 *Kronosaurus queenslandicus:* Longman, p. 98, pl. 12. (Restoration).
1935 *Kronosaurus queenslandicus:* Longman, p. 237.
1935 *Kronosaurus queenslandicus:* White, p. 219–28, figs. 1–2, pl. 9.
1940 *Kronosaurus:* White, p. 455.
1950 *Kronosaurus queenslandicus:* David, p. 499.
1955 *Kronosaurus queenslandicus:* d. Saint-Siene, p. 434, fig. 24F.
1956 *Kronosaurus:* v. Huene, p. 409.
1959 *Kronosaurus queenslandicus:* Anon, p. 22–3, three figs. (Includes a photograph of the cervical vertebrae not elsewhere illustrated.)
1959 *Kronosaurus:* Romer & Lewis, p. 1–15, figs. 1–2, one pl.
1962 *Kronosaurus queenslandicus:* Welles, p. 48.
1964 *Kronosaurus queenslandicus:* Novozhilov, p. 331, fig. 331.
1968 *Kronosaurus queenslandicus:* Hill, Playford & Woods, pl.K12(9).
1969 *Kronosaurus:* Laseron & Brunnschweiler, p. 193, pl. 25.

AGE: Not known for type, but referred specimens are from the Wallumbilla Fm., Aptian-Albian.

MATERIAL : Portion of symphyseal region of mandibles (QM F1609).

REMARKS: Welles (1962) has pointed out that the type specimen is so incomplete as to render adequate comparison difficult. More complete material has recently been collected by the QM, which, when reassembled, should prove a more satisfactory neotype.

F. ELASMOSAURIDAE

Woolungasaurus glendowerensis Persson 1960

*1960 *Woolungasaurus glendowerensis:* Persson, p. 11–6, pls. 1–3.
1962 *Woolungasaurus glendowerensis:* Welles, p. 47–8.
1963 *Woolungasaurus:* Persson, p. 22.
1968 *Woolungasaurus glendowerensis:* Hill, Playford & Wood, pl. K12(6–7)

AGE: Wallumbilla Fm., probably Doncaster Mem., Aptian.

MATERIAL: Vertebrae, ribs, scapulae, coracoids, humerus, radius, ulna, ilia, ischia, pubes, femora, meso- or metapodials, phlanges (QM F3567). Elements incomplete.

Woolungasaurus sp.

1960 *Woolungasaurus* sp.: Persson, p. 16–7.
1963 *Woolungasaurus* sp.: Persson, p. 39.
1982 *Woolungasaurus* sp.: Persson, p. 647–55, pls. 1–2.

AGE: Presumably Albian, stratigraphic data not recorded (from near 'Rainscourt', near Richmond).

MATERIAL: Coracoids and two dorsals (QM F2634).

Elasmosaurid, genus et species indet. (*"Plesiosaurus macrospondylus"* M'Coy 1867a).

*1867a *Plesiosaurus macrospondylus:* M'Coy, p. 356
1867b *Plesiosaurus macrospondylus:* M'Coy, p. 196
1868 *Plesiosaurus macrospondylus:* M'Coy, p. 42
1872 *Plesiosaurus macrospondylus:* Daintree, p. 278 (In list only).
1892 *Plesiosaurus macrospondylus:* Jack & Etheridge, p. 508, 510.
1928 *Plesiosaurus macrospondylus:* Howchin, p. 319.
1960 Elasmosauridae, genus et species indet. 1: Persson, p. 18.
1962 Elasmosauridae, g. et sp. indet.: Welles, p. 49.

MATERIAL: Two associated cervicals (NMV P22548).

F. CIMOLIASAURIDAE?

Cimoliasaurid?, genus et species indet. (*"Plesiosaurus sutherlandi"* M'Coy 1867a)

*1867a *Plesiosaurus Sutherlandi:* M'Coy, p. 355.
1867b *Plesiosaurus Sutherlandi:* M'Coy, p. 196.
1868 *Plesiosaurus Sutherlandi:* M'Coy, p. 42.
1872 *Plesiosaurus Sutherlandi:* Daintree, p. 278. (In list only).
1888 *Plesiosaurus Sutherlandi:* Etheridge, p. 167, one pl.
1892 *Plesiosaurus Sutherlandi:* Jack & Etheridge, p. 508–10.
1897a *Plesiosaurus sutherlandi:* Etheridge, p. 29.
1904 *Cimoliosaurus sutherlandi:* Etheridge, p. 312.
1960 Cimoliasauridae? genus et species indet. 1: Persson, p. 10.
1962 *Plesiosaurus sutherlandi:* Welles, p. 49.

AGE: Uncertain, due to absence of detailed locality data (true also for *"P. macrospondylus"*.)

MATERIAL: One cervical (NMV P22572).

Unidentified or indeterminate plesiosaur material.

1887 *Plesiosaurus:* Etheridge, p. 57. From Pitchery Ck.
1889b *Plesiosaurus:* Etheridge, p. 410–3, pl. 8. From Walsh River (QM F983).
1924 *Elasmosaurus:* Watson, p. 885, 887. From Queensland, no details given.
1935 plesiosaurs: Longman, p. 238–9.
1963 plesiosaurs: Persson, p. 39.

REMARKS: Longman lists material from: near Richmond, 'Caithness' near Dartmouth (QM F2100), 'Baneda' or 'Bareda' near Augathella (QM F2329), 'Ashgrove' near Barcaldine (QM F2299),'Telemon' (QM F2446–F2449), and Mount Abundance near Muckadilla (QM 2176 and QM F2242). Persson lists elasmosaurids (other than *"P. macrospondylus"*) from Richmond (QM F2086), 'Dunluce' near Hughenden (LM L04017), and 'Amby' near Roma (QM F2386); a ?cimoliasaurid from Hughenden (LM L04016); and a polycotylid from 'Wetherby' near Richmond (QM F3307).

O. ICHTHYOSAURIA
F. STENOPTERYGIIDAE

Platypterygius australis (M'Coy 1867a)

*1867a *Ichthyosaurus australis:* M'Coy, p. 355.
1867b *Ichthyosaurus australis:* M'Coy, p. 196.
1868 *Ichthyosaurus australis:* M'Coy, p. 42.
1869 *Ichthyosaurus australis:* M'Coy, p. 77–8.
1870 *Ichthyosaurus australis:* M'Coy, p. 228.
1872 *Ichthyosaurus australis:* Daintree, p. 278. (In list only).
1889a *Ichthyosaurus australis:* Etheridge, p. 405–9.
*1889b *Ichthyosaurus marathonensis:* Etheridge, p. 405–9, pl. 7.
1892 *Ichthyosaurus australis:* Jack & Etheridge, p. 505–6.

1892 *Ichthyosaurus marathonensis:* Jack & Etheridge, p. 505–8.
1897b *Ichthyosaurus australis:* Etheridge, p. 66–8.
1914 *Ichthyosaurus australis:* Chapman, p. 277, fig. 133.
1922 *Myopterygius marathonensis:* v. Huene, p. 98.
1922 *Ichthyosaurus australis:* Longman, p. 246–56, figs. 1–2, pls. 15–6.
1928 *Ichthyosaurus australis:* Howchin, p. 318, fig, 142.
1928 *Ichthyosaurus marathonensis:* Howchin, p. 318.
1928 *Ichthyosaurus:* Wilkins, p. 85, 284.
1935 *Ichthyosaurus australis:* Longman, p. 236.
1943 *Ichthyosaurus australis:* Longman, p. 101–4, one fig., pl. 10.
1950 *"Ichthyosaurus" australis:* David, p. 499.
1968 *Myopterygius australis:* Hill, Playford & Woods, pl. K12(8).
1969 *Ichthyodectes:* Laseron & Brunnschweiler, pl. 24.
1972 *Platypterygius australis:* McGowan, p. 15–7, pls. 3–4. (*I. marathonensis* is synonymized with *P. australis.*)

AGE: Of type uncertain due to lack of detailed locality data, referred specimens derive from the Toolebuc Fm.

MATERIAL: *P. australis:* posterior portion of skull (NMV P12989), vertebrae (NMV P12992), paddle (NMV P12991), rib fragments (NMV P15595, NMV P15596) and sclerotic ring (NMV P12990). *I. marathonensis:* snout (QM F1448).

Unidentified or indeterminate ichthyosaur material

1968 Ichthyosaurian: d Keyser & Lucas, p. 17.

REMARKS: From the Walsh River. Indeterminate and undetermined ichthyosaur material is usually referred to *Platypterygius australis,* on the assumption that this was the only ichthyosaur taxon present.

O. PTEROSAURIA
F. ORNITHOCHEIRIDAE (sensu latu)

aff. *Ornithocheirus* sp.

1980 aff. *Ornithocheirus* sp.: Molnar & Thulborn, p. 361–3, fig. 1.
1980c pteranodontid pterosaur: Molnar, p. 51, fig. 10.
1981 pterosaur: Olshevsky, p. 35. (Reconstruction only).

AGE: Toolebuc Fm., Albian.

MATERIAL: Symphyseal region of dentary (QM F10613), scapulocoracoid (QM F10612) and incomplete cervical (QM F10614). Other material including an incomplete pelvis and sacrum has recently been collected from the same locality.

O. ORNITHISCHIA
F. UNCERTAIN

Minmi paravertebra Molnar 1980

1980a small ankylosaur: Molnar, p. 132
*1980b *Minmi paravertebra*: Molnar, p. 77–87, figs. 1–2, pl. 1.
1980c *Minmi paravertebra*: Molnar, p. 51, figs. 8–9. (includes a figure not published in 1980b).
1981 *Minmi paravertebra:* Olshevsky, p. 35. (Reconstruction only.)

AGE: Bungil Fm., Minmi Mem., Aptian.

MATERIAL: Dorsals, ribs, paravertebrae, ventral armour, pes (QM F10329). Most elements incomplete.

REMARKS: The statement (Molnar, 1980b, p. 77) that *Minmi* is the only vertebrate from the Minmi Mem. is incorrect. There is also a plesiosaur (QM L32) and a fish scale (Day, 1976, p. 138).

F. IGUANODONTIDAE

Muttaburrasaurus langdoni Bartholomai & Molnar 1981

1966a bipedal herbivorous dinosaur: Bartholomai, p. 150
1968 iguanodontid: Hill, Playford & Woods, pl. K12(10).
1973a perhaps *Iguanodon:* Colbert, p. 407.
1973b *Iguanodon:* Colbert, p. 182, 184.
1980a large ornithopod: Molnar, p. 132.
*1981 *Muttaburrasaurus langdoni:* Bartholomai & Molnar, p. 319–49, figs. 1–13, pls. 1–2.
1981 Muttaburra iguanodontid: Olshevsky, p. 35. (Reconstruction only).

AGE: Mackunda Fm., Albian.

MATERIAL: Most of skeleton lacking tail (QM F6140, also numbered QMV F6095 in error).

REMARKS: My criticism (Molnar, 1980a) of Colbert's comments relating this form to *Iguanodon* (1973a, 1973b) turned out in the light of Dodson's work on *Camptosaurus* (1980) to lack substance. While I now feel that *M. langdoni* is more closely related to *Camptosaurus* than to *Iguanodon,* it is an iguanodontid as Colbert had contended and his biogeographic comments still stand.

Unidentified or indeterminate ornithischian material

1980a large ornithopod: Molnar, p. 132. From Allaru Mudstone, near Hughenden.
1980a ankylosaur: Molnar, p. 132. From Toolebuc Fm., near Boulia.

MATERIAL: Ornithopod: scapula (QM F10942). Ankylosaur: armour, ribs, vertebrae (QM unnumbered, on loan to BMNH).

O. SAURISCHIA
F. UNCERTAIN

Austrosaurus mckillopi Longman 1933

*1933 *Austrosaurus mckillopi:* Longman, p. 131–43, figs. 2–3, pls. 15–7.
1966a *Austrosaurus:* Bartholomai, p. 150.
1969 *Austrosaurus:* Laseron & Brunnschweiler, p. 192.
1970 *Austrosaurus mckillopi:* Steel, p. 81–2.
1980a *Austrosaurus mckillopi:* Molnar, p. 132
1981 *Austrosaurus mckillopi:* Coombs & Molnar, p. 358.

AGE: Allaru Mudstone, Albian.

MATERIAL: Dorsals and ribs (QM F2316), most incomplete.

REMARKS: Much of the material has yet to be fully prepared. The type locality was visited in 1976 in the hope of finding more material, but nothing of significance (other than some ichthyosaur material) could be found.

Unidentified or indeterminate saurischian material

1980a sauropod: Molnar, p. 132.
1980c sauropod: Molnar, p. 54, fig. 12.
1981 very large sauropod: Bartholomai & Molnar, p. 319
1981 Hughenden sauropod: Olshevsky, p. 35 (Reconstruction only).

REMARKS: Two different specimens are involved here, possibly representing one taxon. I (1980a, 1980c) refer to an incomplete humerus (QM L349) from the Albian of 'Silver Hills, near Hughenden. Olshevsky's reconstruction and the reference by Bartholomai & Molnar are based on an incomplete cervical (QM F6142) from Pelican near Hughenden, that very closely resembles the corresponding material of *Brachiosaurus brancai.*

Unidentified or indeterminate reptilian material

1928 saurian: Wilkins, p. 113, 115

REMARKS : These were found at 'Glendower', from which *Woolungasaurus glendowerensis* was later described (Persson, 1960).

UPPER CRETACEOUS

REPTILIA

O. SAURISCHIA
F. UNCERTAIN

Austrosaurus sp.

1966a armoured dinosaur: Bartholomai, p. 150.
1980a sauropod: Molnar, p. 132.
1980b sauropod: Molnar, p. 77
1980c *Austrosaurus* sp.: Molnar, p. 54, figs. 12–3.
1981 *Austrosaurus* sp.: Coombs & Molnar, p. 351–60, pls. 1–6.
1981 *Austrosaurus mckillopi:* Olshevsky, p. 35. (Restoration only).

AGE: Winton Fm., probably Cenomanian.

MATERIAL: Incomplete elements of the fore and hind limbs and girdles and tail, and a single incomplete dorsal centrum (QM F3390, QM F6737, QM F7291, QM F7292 and QM F7880). It is assumed, but not certain, that all specimens pertain to a single taxon.

TRACKS

1979 dinosaur tracks: Knowles, p. 64–5, two figs.
1979 carnosaur, coelurosaur and ornithopod tracks: Thulborn & Wade, p. 275–9, figs. 1–2.
1979a carnosaur, coelurosaur and ornithopod tracks: Wade, p. 16–21, nine figs.

1979b carnosaur, coelurosaur and ornithopod tracks: Wade, p. 286–91, eight figs.
1980c ornithopod and theropod tracks: Molnar, p. 54.

AGE: Winton Fm., probably Cenomanian.

REMARKS: None of the forms represented by tracks in the Winton are known from skeletal material (in addition to *Austrosaurus* sp. some cranial material of what was possibly a small crocodilian is known), and vice versa.

CENOZOIC

All of the Cenozoic reptilian and amphibian material is grouped together both for convenience and because, except for the extinction of the large forms *(Megalania, Meiolania, Pallimnarchus, Quinkana)* they are much like living forms. Most of the material is Pliocene or Pleistocene, although some dates back to what is probably Eocene. Much reptile and some amphibian material is known from the late Cenozoic of South Australia, although unfortunately little of this has so far been studied.

REPTILIA

O. CHELONIA
F. CHELIDAE

Chelodina sp.

1924 *Chelodina insculpta:* Longman, p. 26.
1981 *Chelodina* sp.: Gaffney, p. 12–14, fig. 8.

AGE: Pliocene? see Gaffney, 1981.

MATERIAL: Anterior half of plastron (QM F1510).

Chelodina sp. *("Chelodina insculpta"* d. Vis 1897)

*1897 *Chelodina insculpta:* d. Vis, p. 5–6, pls. 5–6.
1981 *Chelodina:* Gaffney, p. 16–17, fig. 13b.

AGE: Not known due to lack of detailed locality data.

MATERIAL: Sixteen carapace fragments (QM F1107), and six plastral fragments (QM F1109).

Emydura sp.

1981 *Emydura* sp.: Gaffney, p. 11–12, figs. 6–7.

AGE: Chinchilla Sand, Pliocene

MATERIAL: Anterior portion of shell (QM F7035), anterior portion of plastron (QM F7034), symphyseal region of jaw (QM F9038), and dentary (QM F9039).

Chelid

1981 chelidae: Gaffney, p. 12, 14–15, 21–23.

AGE: Pliocene? and Pleistocene.

MATERIAL: Fragments, see Gaffney, 1981.

F. CHELIDAE

Chelid (= *"Chelymys arata"* d. Vis 1897)

*1897 *Chelymys arata:* d. Vis, p. 5, pl. 4.
1907 *Chelymys arata:* d. Vis, p. 6. (See Gaffney & Bartholomai, 1979, p. 1359.).
1981 Chelidae: Gaffney, p. 15–16, fig. 12.

AGE: Plio-Pleistocene.

MATERIAL: Costal fragment (QM F1099B).

Chelid (= *"Chelymys uberrima"* d. Vis, 1897)

*1897 *Chelymys uberrima:* d. Vis, p. 3–4, pls. 1–2.
1929 *Emydura uberrima:* Longman, p. 248
1981 Chelidae: Gaffney, p. 14–15, figs. 10, 13A.

AGE: Plio-Pleistocene

MATERIAL: Carapace fragments (QM F1104), plastral fragments (QM F1105), nuchal, peripherals and costals (QM 9040).

F. MEIOLANIIDAE

Meiolania oweni Woodward 1888

1881 *Megalania prisca:* Owen, p. 1041–8, pls. 37–8.
1882a *Megalania prisca:* Owen, p. 547–55, pls. 64–5.
1887 *Ceratochelys sthenurus:* Huxley, p. 236.
*1888 *Meiolania oweni:* Woodward, p. 89
1889 *Meiolania oweni:* Lydekker, p. 166–7, fig. 39.
1892 *Meiolania oweni:* Jack & Etheridge, p. 647–8.
1964 *Meiolania:* Sukhanov, p. 359, 361, 393.
1969 *Miolania:* Laseron & Brunnschweiler, p. 223–4.
1981 *Meiolania oweni:* Gaffney, p. 19.

AGE: Pleistocene

MATERIAL: Skull (BMNH R391). A tail club and tail ring (BMNH R392) is referred.

REMARKS: The type skull was described by Owen (1881) as part of the varanoid *Megalania*. For the convoluted history of this taxon see Woodward (1888) and Anderson (1925).

Meiolaniids

1981 Meiolaniidae: Gaffney, p. 19.

AGE: Pliocene?

F. TRIONYCHIDAE

Trionychid (= *"Trionyx australiensis"* d. Vis 1894)

*1894 *Trionyx australiensis:* d. Vis, p. 125–7, pl. 1.
1970 *Trionyx australiensis:* Hill, Playford & Woods, pl. CZ7(8).
1979 Trionychidae: Gaffney & Bartholomai, p. 1354–9, pl. 1.
1981 Trionychidae: Gaffney, p. 18–19.

AGE: Plio-Pleistocene.

MATERIAL: Seven carapace fragments (QM F1101).

Trionychids

1869 *Trionyx:* Clarke, p. 384.
1979 Trionychidae: Gaffney & Bartholomai, p. 1356–7, pls. 1–2.
1981 Trionychidae: Gaffney, p. 18–20.

REMARKS: Several sets of specimens are involved here. These are: QM F2324, QM F2326, QM F2566 and QM F9035 from Boat Mountain near Murgon, which may be Miocene (Molnar, 1982); unnumbered fragments from circa 20 miles east of Emerald, mapped as Pleistocene; QM F9036 from the Leichhardt River, presumably near Floraville Crossing, probably Pleistocene; and, QM F9037 from Fairymeadow near Chinchilla, presumably Pliocene. See Gaffney, 1981.

F. UNCERTAIN

"Chelymys antiqua" d. Vis 1897

*1897 *Chelymys antiqua:* d. Vis, p. 4–5. pl. 3.
1981 Testudines indeterminate: Gaffney, p. 15, fig. 11.

AGE: Plio-Pleistocene.

MATERIAL: Four carapace fragments (QM F1106 A–D).

"Pelocomastes ampla" d. Vis 1897

*1897 *Pelocomastes ampla:* d. Vis, p. 6–7, pl. 7–8.
1907 *Pelocomastes ampla:* d. Vis, p. 6.
1981 Testudines indeterminate: Gaffney, p. 17–18 fig. 14.

AGE: Plio-Pleistocene.

MATERIAL: Four carapace fragments (QM F1102), four plastral fragments (QM 1103).

Unidentified or indeterminate chelonian material

1889 *Chelodina longicollis:* Lydekker, p. 168.
1892 *Chelodina longicollis:* Jack & Etheridge, p. 648.
1907 *Chelynys granulata:* d. Vis, p. 3. (Nomen nudum.)
1927 *Chelodina insculpta:* Jones, p. 39.
1929 chelonians: Longman, p. 248–9. (From Brigalow.)
1950 apparently *Chelodina insculpta:* David, p. 563.
1952 turtle: Riek, p. 6–7, pl. 2(1–2).
1960 chelonian: Cribb, in Cribb et al., p. 353. (From the Narrows near Bundaberg.)
1968 aquatic turtles: Tedford, p. 224.
1976 turtle: Cranfield et al., p. 73. (From the Oxley Gr., near Brisbane).
1981 Testudines indeterminate: Gaffney, p. 20–21.

REMARKS: Several specimens are involved, all (but Longman, 1929, Cribb, 1960, and Cranfield et al., 1976) discussed by Gaffney. These are from: the probably Eocene Redbank Plains Series at Redbank Plains near Brisbane; the possibly Miocene Oakdale Ss. at Boat Mountain near Murgon; the Miocene Carl Creek Ls. at 'Riversleigh'; the Corinda Fm. at Runcorn; the Pliocene Allingham Fm. at 'Bluff Downs'; and the Pleistocene at 'Eton Vale' and at Westbrook. Recently tortoise-like material has also been collected at Redbank Plains.

O. SQUAMATA

F. AGAMIDAE

?*Amphibolurus* sp.

1978 ?*Amphibolurus* sp.: Archer, p. 69. (In faunal list only).

AGE: Pleistocene

MATERIAL: QM F8342.

Chlamydosaurus bennettii Owen, in Bennett 1876a

*1876a *Chlamydosaurus bennettii:* Owen, in Bennett, p. 5.
1876b *Chlamydosaurus bennettii:* Bennett, p. 57.
1888 *Chlamydosaurus kingi:* Lydekker, p. 276.
1892 *Chlamydosaurus bennettii:* Jack & Etheridge, p. 648–9. (Note that their citation of the type description is incorrect).
1928 *Chlamydosaurus bennettii:* Howchin, p. 657.

AGE: Pleistocene

MATERIAL: Jaw (BMNH R495).

REMARKS: This material could stand restudy to determine its taxonomic status.

F. SCINCIDAE

Tiliqua sp.

1978b *Tiliqua* sp.: Molnar, p. 157. (In faunal list only.)

AGE: Pleistocene

MATERIAL: Maxilla (QM F10178).

F. VARANDIAE

Megalania prisca Owen 1858

1858 *Megalania prisca:* Owen, p. 273 (Abstract only.)
*1860 *Megalania prisca:* Owen, p. 43–8, pls. 7–8 (the vertebrae only).
1876a *Megalania prisca:* Bennett, p. 8.
1881 *Megalania prisca:* Owen, p. 1037–40, pls. 34–6.
1882a *Megalania prisca:* Owen, p. 547–55, pls. 64–5.
1886a *Notiosaurus dentatus:* d. Vis, p. 25–32, pls. 1–3.
1888 *Megalania (?Varanus) prisca:* Woodward, p. 89.
1889 *Varanus priscus:* Lydekker, p. 284–6, fig. 66.
*1889 *Varanus dirus:* d. Vis, p. 97–8, pl. 4.
1889 *Megalania:* d. Vis, p. 93–7, pl. 4.
1900 *Varanus dirus:* d. Vis, p. 6, pl. 3.
1917 *Megalania prisca:* Etheridge, p. 126–7, pl. 8.
1918 *Megalania prisca:* Fejervary, p. 445–62, figs. 29–37. *(N. dentatus* is synonymized with *M. prisca.)*
1918 *Varanus dirus:* Fejervary, p. 412–6, figs. 15–6.
1924 *Megalania prisca:* Longman, p. 21–2.
1928 *Notiosaurus dentatus:* Howchin, p. 658.
1928 *Varanus dirus:* Howchin, p. 658.
1930 *Varanus (Megalania) priscus*: Anderson, p. 313–6, pl. 51.
1935 *Megalania prisca:* Fejervary, p. 3–6, 10–38, figs. 1–4, pls. 1–3.
1935 *Megalania prisca:* Longman, p. 237–8.
1950 *Megalania prisca:* David, p. 644.
1970 *Megalania prisca:* Hill, Playford & Woods, pl. CZ7(9)
1970 *Varanus dirus:* Hill, Playford & Woods, pl. CZ7(10).
1975 *Megalania prisca:* Hecht, p. 239–49, pls. 17–8. (*V. dirus* is synonymized with *M. prisca.*)
1979 *Megalania:* Rich & Hall, p. 310–3, five figs. (Reconstruction of skeleton).
1981 *Megalania:* Molnar, p. 834.

AGE: Pleistocene.

MATERIAL: Three incomplete dorsals (BMNH 3209a, BMNH 3209b, BMNH 3209c). See Lydekker (1888) for further comment.

REMARKS: Hecht (1975) argued that the maxilla assigned by Fejervary (1918: see also d. Vis, 1900) cannot with certainty be assigned to either *Megalania* or *Varanus* in the absence of certain comparable material of *M. prisca.* Anderson (1930, p. 311–3, pl. 50) does not pertain to *Megalania.*

Megalania sp.

1975 the Pliocene species: Hecht, p. 246.

AGE: Chinchilla Sand, Pliocene.

MATERIAL: Dorsal and caudal vertebrae (QM C20, QM C106).

Varanus emeritus d. Vis 1889

*1889 *Varanus emeritus:* d. Vis, p. 98–9, pl. 4.
1892 *Varanus emeritus:* Jack & Etheridge, p. 651.
1918 *Varanus emeritus:* Fejervary, p. 416–8, fig. 17.
1928 *Varanus emeritus:* Howchin, p. 658.

AGE: Pleistocene

MATERIAL: Distal humerus (QM F875).

REMARKS: This material could stand restudy to determine its taxonomic status.

Varanus sp.

1976 *Varanus* sp.: Archer & Wade, p. 384–5, pl. 54(h).
1978b *Varanus* sp.: Molnar, p. 157. (In faunal list only).
1979 *Varanus* sp.: Tyler, p. 85.

REMARKS: Tyler comments on the two earlier references. Archer and Wade's report is based on two vertebrae (QM F7774, QM F7777) and a crown (QM F7813) from the Pliocene Allingham Fm. at 'Bluff Downs'. Molnar's report is based upon a sacrum (QM F10183) from the Pleistocene cave deposits at Tea Tree Cave near Chillagoe.

F. BOIDAE

?Morelia sp.

1976 *?Morelia* sp.: Archer & Wade, p. 383, 385.

AGE: Allingham Fm., Pliocene.

MATERIAL: "Three vertebrae (including F7775)" (Archer & Wade, 1976, p. 385).

Unidentified or indeterminate squamatan material

1925 ophidian: Longman, p. 111–2. (From Marmor.)
1934 extinct Python: Chapman, p. 55. (Refers to Longman, 1925.)
1950 snake: David, p. 644. (Refers to Longman, 1925)
1976 ?elapid; agamid similar to *Amphibolurus* sp.: Archer & Wade, p. 234–5. (From Allingham Fm.)
1978 frog, unident.; ?lizard, unident.; lizard, indet.; geckonid, indet.; second geckonid, unident.; ?agamid; snake, unident.: Archer, p. 63, 68–71. (From the Texas Caves Pleistocene, although the indet. lizard is younger than the other material.)
1978b a snake: Molnar, p. 157. (From Tea Tree Cave, in faunal list only.)

O. CROCODILOMORPHA
F. CROCODYLIDAE

Crocodylus porosus Schneider 1801

1888 *Crocodilus porosus:* Lydekker, p. 59.
1892 *Crocodilus porosus:* Jack & Etheridge, p. 652.
1914 *Crocodilus porosus:* Chapman, p. 278
*1924 *Crocodilus nathani:* Longman, p. 23–5, pl. 3.
1925 *Pallimnarchus pollens:* Longman, p. 103–8, pls. 25–6.
1928 *Crocodilus porosus:* Howchin, p. 658.
1934 *Crocodilus porosus:* Chapman, p. 58.
1979 *Crocodylus porosus:* Molnar, p. 357–9, pls. 1–3.
1982 *Crocodylus nathani*: Molnar, p. 663–5, figs. 6–7, pl. 2A–D,E&F. *(C. nathani* synonymized with *C. porosus.)*
1982 *Crocodilus porosus:* Molnar, p. 665–6, fig. 8.

REMARKS: See Molnar (1982).

Pallimnarchus pollens d. Vis 1886b

*1886b *Pallimnarchus pollens:* d. Vis, p. 181–9, pls. 10–4.
1892 *Pallimnarchus pollens:* Jack & Etheridge, p. 652–3.
1907 *Pallimnarchus pollens:* d. Vis, p. 6–7.
1914 *Pallymnarchus pollens:* Chapman, p. 278.
1926 *Pallimnarchus pollens:* Longman, p. 158–9, pl. 18.
1928 *Pallimnarchus polleus:* Howchin, p. 658.
1934 *Pallimnarchus pollens:* Chapman, p. 58.
1937 *Pallimnarchus pollens:* Anderson, p. 77–8, pl. 10.
1950 *Pallimnarchus pollens:* David, p. 644.
1970 *Pallimnarchus pollens:* Hill, Playford & Woods, pl. CZ7 (5).
1982 *Pallimnarchus pollens*: Molnar, p. 658–62, figs. 2–5, pls. 1, 2C, D, I, J. (Lectotype designated.)

REMARKS: See Molnar (1982). Longman (1925 p. 103–8) and Hecht (1975, p. 240) do not refer to *Pallimnarchus.* Chapman (1914,1934) cites localities not elsewhere published (and perhaps incorrect) for both *P. pollens* and *C. porosus.*

Quinkana fortirostrum Molnar 1981

1977 probably ziphodont crocodile: Molnar, p. 62–4, fig. 1.
1978a Chillagoe crocodile: Molnar, p. 3–9, fig. 1.
1978b Chillagoe crocodile: Molnar, p. 156–8.
1979 crocodile: Tyler, p. 98.
*1981 *Quinlana fortirostrum:* Molnar, p. 804–11, figs. 1–4.

AGE: Pleistocene.

MATERIAL: Snout (AM F57844).

Quinkana sp.

1977 xiphodont crocodilian: Hecht & Archer, p. 383–5, fig. 1.
1978 sebecosuchian: Archer, p. 70.
1979 xiphodont: Tyler, p. 98.
1981 *Quinkana* sp.: Molnar, p. 809–11, figs. 6–9.

AGE: Pleistocene.

MATERIAL: Incomplete snout (QM F7898).

REMARKS: The misspelling of ziphodont as 'xiphodont' was introduced by a reviewer of Hecht & Archer and not by the authors.

Unidentified or indeterminate ziphodont crocodilian material.

1930 *Varanus (Megalania) priscus:* Anderson, p. 311–3, pl. 50.
1975 *Pallimnarchus pollens:* Hecht, p. 240.
1981 ziphodont: Molnar, p. 811–5, figs. 10–3.

Unidentified or indeterminate crocodilian material.

1872 Cainozoic crocodile: Daintree, p. 274.
1886b *Pallimnarchus pollens:* d. Vis, p. 187, 189–91, pls. 14 (1)–5.
1927 *Pallimnarchus pollens:* Jones, p. 39.
1929 *Pallimnarchus pollens:* Longman, p. 249.
1943 crocodilian: Hills, p. 99, pl. 9.
1952 provisionally *Pallimnarchus pollens:* Riek, p. 7.
1960 unnamed crocodilian: Cribb, in Cribb et al., p. 353.
1960 crocodilian: Paten, p. 393.
1968 possibly *Crocodylus:* Tedford, p. 224.
1970 *Crocodilus nathani:* Hill, Playford & Woods, pl. CZ7 (7).
1970 *Pallimnarchus pollens:* Hill, Playford & Woods, pl. CZ7 (6).
1976 *Palimnarchus* sp.: Archer & Wade, p. 234.
1976 crocodile: Cranfield et al., p. 73.
1981 ?ziphodont crocodilian: Molnar, p. 813–5, fig. 11–2.
1982 Murgon crocodilian: Molnar, p. 666.

REMARKS: The crocodilian skin impressions of Riek (1952, pl. 1 fig. 4 and pl. 2 fig. 3) are not crocodilian but probably pertain to some fish, possibly a lungfish. Several of these citations refer to pre-Pliocene material: Cranfield, Cribb, Hills, Jones, Molnar (1982), Paten Riek and Tedford.

SUMMARY SPECIES LIST

LOWER TRIASSIC	*Brachyops allos* Howie 1971
	Keratobrachyops australis Warren 1981
	Parotosuchus gunganj Warren 1980
	Parotosuchus rewanensis Warren 1980
	Deltasaurus? sp.
	Rewana quadricuneata Howie 1972
	Kudnu mackinlayi Bartholomai 1979
	Kadimakara australiensis Bartholomai 1979
	Plectropterna sp. (ichnotaxon)
	Kalisuchus rewanensis Thulborn 1979
UPPER TRIASSIC?	*Agrosaurus macgillivrayi* Seeley 1891
LOWER JURASSIC?	*Austropelor wadleyi* Longman 1941
MIDDLE JURASSIC	*Rhoetosaurus brownei* 1926
	Changpeipus bartholomaii Haubold 1971 (ichnotaxon)
LOWER CRETACEOUS	*Cratochelone berneyi* Longman 1915
	Notochelone costata (Owen 1882)
	Kronosaurus queenslandicus Longman 1924
	Woolungasaurus glendowerensis Persson 1960
	Woolungasaurus sp.
	Platypterygius australis (M'Coy 1867)
	aff. *Ornithocheirus* sp.
	Minmi paravertebra Molnar 1980
	Muttaburrasaurus langdoni Bartholomai & Molnar 1981
	Austrosaurus mckillopi Longman 1933
UPPER CRETACEOUS	*Austrosaurus* sp.
PLIOCENE	*Emydura* sp.
	Megalania sp.
	?*Morelia* sp.
	Crocodylus porosus Schneider 1801
	Pallimnarchus pollens d. Vis 1886
PLIOCENE?	*Chelodina* sp.
PLEISTOCENE?	*Pallimnarchus pollens* d. Vis 1886

PLEISTOCENE *Meiolania oweni* Woodward 1888
?*Amphibolurus* sp.
Chlamydosaurus bennettii Owen, in Bennett 1876
Tiliqua sp.
Megalania prisca Owen 1858
Varanus emeritus d. Vis 1889
Varanus sp.
Crocodylus porosus Schneider 1801
Quinkana fortirostrum Molnar 1981
Quinkana sp.

ACKNOWLEDGMENTS

This catalogue was inspired by Sue Turner and the realization that such catalogues are better commenced before too much material becomes apparent. My sincere thanks to Drs. S. Colliver (Brisbane), H. Haubold (Halle), G. Leonardi (Ponta Grossa), G. Playford (Brisbane) and A. Warren (Melbourne) for their kind contributions to my understanding of points and taxa with which I am unfamiliar.

LITERATURE CITED

Works indicated by an asterisk do not refer to Queensland material, but have been cited in other connections.

*ANDERSON, C., 1925. Notes on the extinct chelonian *Meiolania*, with a record of a new occurrence. *Rec. Austral. Mus.* **14**: 233–42.

1930. *Meiolania platyceps* Owen and *Varanus (Megalania) priscus* (Owen). *Rec. Austral. Mus.* **17**: 309–16.

1937. Palaeontological notes. *Rec. Austral. Mus.* **20**: 73–8.

*ANDREWS, C.W., 1922. Description of a new plesiosaur from the Weald clay of Berwick (Sussex). *Quart. J. Geol. Soc. London* **78**: 285–298.

ARCHER, M., 1978. Quaternary vertebrate faunas from the Texas Caves of southeastern Queensland. *Mem. Qd Mus.* **19**: 61–100.

& M. WADE, 1976. Results of the Ray E. Lemley expeditions, part 1. The Allingham Formation and a new Pliocene vertebrate fauna from northern Queensland. *Mem. Qd Mus.* **17**: 379–97.

BALL, L.C., 1933. Fossil footprints. *Qd Gov. Mining J.* **34**: 384.

1934a. Fossil footprints. *Qd Gov. Mining J.* **35**: 297.

1934b. Fossil footprints. Lanefield colliery, Rosewood district. *Qd Gov. Mining J.* **35**: 224.

1946. Dinosaur footprints; Lanefield Extended colliery, Rosewood district. *Qd Gov. Mining J.* **47**: 179.

BARTHOLOMAI, A. 1966a. Fossil footprints in Queensland. *Austral. Nat. Hist.* **15**: 147–50.

1966b. The discovery of plesiosaurian remains in freshwater sediments in Queensland. *Austral. J. Sci.* **28**: 437.

1979. New lizard-like reptiles from the early Triassic of Queensland. *Alcheringa* **3**: 225–34.

& A. HOWIE, 1970. Vertebrate fauna from the Lower Trias of Australia. *Nature* **225**: 1063.

& R.E. MOLNAR, 1981. *Muttaburrasaurus*, a new iguanodontid (Ornithischia: Ornithopoda) dinosaur from the Lower Cretaceous of Queensland. *Mem. Qd. Mus.* **20**: 319–49.

BENNETT, G., 1876a. Notes of rambles in search of fossil remains on the Darling Downs. *Trans. Phil. Soc. Qd.* **1876**: 3–10. (Note that volumes are not numbered in this series prior to vol. 3, nor are these volumes sequentially paginated.)

1876b. Notes on the *Chlamydosaurus* or frilled lizard of Queensland (*Chlamydosaurus kingii*, Gray), and the discovery of a fossil species on the Darling Downs, Queensland. *Papers Proc. Rept. Roy. Soc. Tasmania* **1875**: 56–8.

BERGOUNIOUX, F.M., 1955. Testudinata. In, J. Piveteau, ed. 'Traite de Paleontologie', T. 5. (Paris: Masson et Cie), p. 487–544.

BROOKS, A.E., 1970. 'Australia in the Making'. (Melbourne: Lothian), 90 p.

CAMERON, J.B., 1970. The Rosewood-Walloon coalfield. *Geol. Surv. Qd Publ.* **344**: 1–42.

N.J. d. JERSEY, V.G. SWINDON & E.G. WILSON, 1960. The Ipswich basin. *J. Geol. Soc. Austral.* **7**: 287–96.

CHAPMAN, F., 1914. 'Australasian Fossils'. (Melbourne: George Robertson), 341 p.

1934. 'The Book of Fossils'. (Sydney: Shakespeare Head Press), 126 p.

CLARKE, W.B., 1869. *Dinornis* an Australian genus. *Geol. Mag.* **6**: 383–4.

COLBERT, E.H., 1967. A new interpretation of *Austropelor*, a supposed Jurassic labyrinthodont amphibian from Queensland. *Mem. Qd Mus.* **15**: 35–42.

1973a. Continental drift and the distribution of fossil reptiles. *In*, Tarling, D.H., & S.K. Runcorn, eds., 'Implications of Continental Drift to the Earth Sciences', vol. 1. (New York: Academic Press), 622 p.

1973b. 'Wandering Lands and Animals'. (London: Hutchinson), 325 p.

& J.W. KITCHING. 1975. The Triassic reptile *Procolophon* in Antarctica. *Amer. Mus. Nov.*, **2566**: 1–23.

COLLIVER, F.S. 1954. Triassic footprints in Queensland. *Qd Nat.* **15**: 78–9.

COOMBS, W.P., JR., & R.E. MOLNAR. 1981. Sauropoda (Reptilia, Saurischia) from the Cretaceous of Queensland. *Mem. Qd Mus.* **20**: 351–73.

COSGRIFF, J.W., & J.M. ZAWISKIE. 1979. A new species of the Rhytidosteidae from the Lystrosaurus zone and a review of the Rhytidosteidae. *Palaeont. Afr.* **22**: 1–27.

CRANFIELD, L.C., H. SCHWARZBACH & R.W. DAY. 1976. Geology of the Ipswich and Brisbane 1:250 000 sheet areas. *Geol. Surv. Qd Rept.* **95**: 1–176.

CRIBB, H.G.S., N.R. MCTAGGART & H.R.E. STAINES. 1960. Sediments east of the Great Divide. *J. Geol. Soc. Austral.* **7**: 345–55.

DAINTREE, R. 1872. Notes on the geology of the colony of Queensland. *Quart. J. Geol. Soc. London* **28**: 271–360.

DAVID, T.E.E. 1950. 'The Geology of the Commonwealth of Australia', vol. 1. (London: Edward Arnold), 747 p.

DAY, R.W. 1976. Aptian and Albian macrofossils from the Mitchell and Roma 1:250 000 sheet areas. *Bur. Miner. Res. Bull.* **166**: 137–50. (Appendix 1 to N.F. Exon, Geology of the Surat Basin in Queensland).

*DODSON, P. 1980. Comparative osteology of the American ornithopods *Camptosaurus* and *Tenontosaurus*. *Mém. Soc. géol. France* **139**: 81–5.

ETHERIDGE, R., JR. 1886. *Notochelys costata* Owen. *Geol. Mag.* **3**: 239–40.

1887. Remains of *Plesiosaurus*. J. Roy. Soc. N.S.W. **21**:57. (Noted in Etheridge's bibliography, *Rec. Austral. Mus.* **15**: 10, but published anonymously.)

1888. The further discovery of plesiosaurian remains in Queensland. *Ann. Rept. Dept. Mines N.S.W.* **1888**: 167. (Appendix 15E).

1889a. On additional evidence of the genus *Ichthyosaurus* in the Mesozoic rocks ('Rolling Downs Formation') of northeastern Australia. *Proc. Linn. Soc. N.S.W.* **3**: 405–9.

1889b. On additional evidence of the occurrence of *Plesiosaurus* in the Mesozoic rocks of Queensland. *Proc. Linn. Soc. N.S.W.* **3**: 410–3.

1897a. An Australian sauropterygian (*Cimoliosaurus* (sic.)), converted into precious opal. *Rec. Austral. Mus.* **2**: 19–29.

1897b. On a precaudal vertebra of *Ichthyosaurus australis*, McCoy. *Rec. Austral. Mus.* **3**: 66–8.

1904. A second sauropterygian converted into opal, from the Upper Cretaceous of White Cliffs, New South Wales. *Rec. Austral. Mus.* **5**: 306–16.

1917. Reptilian notes: *Megalania prisca*, Owen, and *Notiosaurus dentatus* Owen; lacertilian dermal armour; opalized remains from Lightning Ridge. *Proc. Roy. Soc. Vict.* **29**: 127–33.

FEJERVARY, G.J. 1918. Contributions to a monography on fossil Varanidae and on Megalanidae. *Ann. Mus. Nation. Hung.* **16**: 341–467.

1935. Further contributions to a monograph of the Megalanidae and fossil Varanidae — with notes on recent varanians. *Ann. Mus. Nation. Hung., Pars Zool.* **29**: 1–128.

GAFFNEY, E.S. 1976. The history of turtles in Australia. *Abs. 25th Internat. Geol. Congr.* **1**: 325–6. (Abstract only.)

1981. A review of the fossil turtles of Australia. *Amer. Mus. Nov.*, **2720**.

& A. BARTHOLOMAI. 1979. Fossil trionychids of Australia. *J. Paleo.* **53**: 1354–60.

GALTON, P.M., & M.A. CLUVER. 1976. *Anchisaurus capensis* (Broom) and a revision of the Anchisauridae (Reptilia: Saurischia). *Ann. S. Afr. Mus.* **69**: 121–59.

GOULD, R.E. 1974. The fossil flora of the Walloon coal measures: a survey. *Proc. Roy. Soc. Qd* **85**: 33–41.

HAUBOLD, H. 1971. Ichnia Amphibiorum et Reptiliorum fossilum. *In*, O. Kuhn, ed. 'Handbuch der Palaoherpetologie', T. 18. (Stuttgart: Gustav Fischer Verlag), 124 p.

HECHT, M.K. 1975. The morphology and relationships of the largest known terrestrial lizard, *Megalania prisca* Owen, from the Pleistocene of Australia. *Proc. Roy. Soc. Vict.* **87**: 239–50.

& M. ARCHER. 1977. Presence of xiphodont (sic.) crocodilians in the Tertiary and Pleistocene of Australia. *Alcheringa* **1**: 383–5.

HILL, D., G. PLAYFORD & J.T. WOODS. 1965. 'Triassic Fossils of Queensland'. (Brisbane: Queensland Palaeontographical Society), 32 p.

1966. 'Jurassic Fossils of Queensland'. (Brisbane: Qd Palaeontog. Soc.), 32 p.

1968. 'Cretaceous Fossils of Queensland'. (Brisbane: Qd Palaeontog. Soc.), 35 p.

1970. 'Cainozoic Fossils of Queensland'. (Brisbane: Qd Palaeontog. Soc.), 36 p.

HILLS, E.S. 1943. Tertiary fresh-water fishes and crocodilian remains from Gladstone and Duaringa, Queensland. *Mem. Qd Mus.* **12**: 96–100.

1958. A brief review of Australian fossil vertebrates. *In,* T.S. Westoll, ed. 'Studies on Fossil Vertebrates'. (London: University of London, Athlone Press), p. 86–107.

HOWCHIN, W. 1928. 'The Building of Australia and the Succession of Life'. (Adelaide: Government Printer), 750 p.

HOWIE, A. 1971. A brachyopid labyrinthodont from the Lower Trias of Queensland. *Proc. Linn. Soc. N.S.W.* **96**: 268–77.

1972. On a Queensland labyrinthodont. *In,* K.A. Joysey & T.S. Kemp, eds. 'Studies in Vertebrate Evolution'. (Edinburgh: Oliver & Boyd), p. 50–64.

v. HUENE, F. 1906. Ueber die Dinosaurier der Aussereuropaeischen Trias. *Geol. Pal. Abh.* **12**, 2: 99–156.

1922 Die Ichthyosaurier des Lias und ihre Zusammenhänge. *Monog. Geol. Pal.* **1**, 1: 1–114.

1932. Die fossile Reptil-Ordnung Saurischia, ihre Entwicklung und Geschichte. *Monog. Geol. Pal.* **1**, 4: 1–361.

1956. 'Paläontologie und Phylogenie der Niederen Tetrapoden'. (Jena: Gustav Fischer Verlag), 716 p.

HUXLEY, T.H. 1887. Preliminary note on the fossil remains of a chelonian reptile, *Ceratochelys sthenurus,* from Lord Howe's Island, Australia. *Proc. Roy. Soc.* **42**: 232–8.

JACK, R.L., & R. ETHERIDGE, JR. 1892. 'The Geology and Palaeontology of Queensland and New Guinea'. (Brisbane: Government Printer), 768 p.

JENSEN, H.I. 1926. Geological reconnaissance between Roma, Springsure, Tambo and Taroom. *Publ. Geol. Surv. Qd* **277**: 1–215.

JONES, O.A. 1927. The Tertiary deposits of the Moreton district south-eastern Queensland. *Proc. Roy. Soc. Qd.* **38**: 23–46.

D. KEYSER, F., & K.G. LUCAS. 1968. Geology of the Hodgkinson and Laura Basins, north Queensland. *Bur. Miners, Res. Bull.* 84: 1–254.

KNOWLES, P.C. 1979. Dinosaur tracks. *Geo* **1** (2): 64–5.

KONZHUKOVA, E.D. 1964. Podklass Apsidospondyli. Apsidospondilnie. *In,*O.A. Orlov, ed. 'Osnovi Paleontologii: Zemnovodnie, Presmkaooshchiesa i Ptitsi'. (Moscow: Izdatelstvo 'Nauka'), p. 60–4.

D. LAPPARENT, A.F., & R. LAVOCAT. 1955. Dinosauriens. *In,* J. Pivetau, ed. Traité de Paléontologie, T.5. (Paris: Masson et Cie), p. 785–962.

LASERON, C.F., & R.O. BRUNNSCHWEILER. 1969. 'Ancient Australia', second ed. (New York: Taplinger), 253 p.

LONGMAN, H.A. 1915. On a giant turtle from the Queensland Lower Cretaceous. *Mem. Qd Mus.* **3**: 24–9.

1922. An ichthyosaurian skull from Queensland. *Mem. Qd Mus.* **7**: 246–56.

1924. Some Queensland fossil vertebrates. *Mem. Qd Mus.* **8**: 16–28.

1926. A giant dinosaur from Durham Downs, Queensland. *Mem. Qd Mus.* **8**: 183–94.

1927. The giant dinosaur: *Rhoetosaurus brownei. Mem Qd Mus.* **9**: 1–18.

1929. Palaeontological notes. *Mem. Qd Mus.* **9**: 249–50.

1930. *Kronosaurus queenslandicus,* a gigantic Cretaceous pliosaur. *Mem. Qd Mus.* **10**: 1–7.

1932. Restoration of *Kronosaurus queenslandicus. Mem. Qd Mus.* **10**: 98.

1933. A new dinosaur from the Queensland Cretaceous. *Mem. Qd Mus.* **10**: 131–44.

1935. Palaeontological notes. *Mem. Qd Mus.* **10**: 236–9.

1941. A Queensland amphibian. *Mem. Qd Mus.* **12**: 29–32.

1943. Further notes on Australian ichthyosaurs. *Mem. Qd Mus.* **12**: 101–4.

*LULL, R.S. 1953. Triassic life of the Connecticut Valley. *Connecticut State Geol. Nat. Hist. Surv. Bull.* **81**: 1–331.

LYDEKKER, R. 1888. 'Catalogue of the Fossil Reptilia and Amphibia in the British Museum (Natural History). Part 1. Containing the orders Ornithosauria, Crocodilia, Dinosauria, Squamata, Rhynchocephalia and Proterosauria'. (London: British Museum (Natural History)), 309 p.

1889a. Note on some points in the nomenclature of fossil reptiles and amphibians, with preliminary notice of two new species. *Geol. Mag.* **6**: 325–6.

1889b. 'Catalogue of the Fossil Reptilia and Amphibia in the British Museum (Natural History). Part 3. Containing the order Chelonia'. (London: British Museum (Natural History)), 239 p.

MALONE, E.J., F. OLGERS & A.G. KIRKEGAARD. 1969. The geology of the Duaringa and Saint Lawrence 1:250,000 sheet areas, Queensland. *Bur. Miner. Res. Rept.* **121:** 1–133.

M'COY, F. 1867a. On the occurrence of *Ichthyosaurus* and *Plesiosaurus* in Australia. *Ann. Mag. Nat. Hist.* (3), **19:** 355–6.

1867b. On the Recent zoology and palaeontology of Victoria. *Ann. Mag. Nat. Hist.* (3), **20:** 175–202.

1868. On the discovery of Enaliosauria and other Cretaceous fossils in Australia. *Trans. Proc. Roy. Soc. Vict.* **8:** 41–2.

1869. On the fossil eye and teeth of the *Ichthyosaurus australis* (M'Coy) from the Cretaceous formations of the source of the Flinder's River; and on the palate of the *Diprotodon* from the Tertiary limestone of Limeburner's Pint, near Geelong. *Trans. Proc. Roy. Soc. Vict.* **9**: 77–8.

MCGOWAN, C. 1972. The systematics of Cretaceous ichthyosaurs with particular reference to the material from North America. *Contrib. Geol. Univ. Wyoming* **11**: 9–29.

MILNER, A. 1977. Triassic extinction or Jurassic vacuum? *Nature* **265**: 402.

MOLNAR, R.E., 1977. Crocodile with laterally compressed snouth: first find in Australia. *Science* **197:** 62–4.

1978a. The crocodile from Tea Tree Cave and ziphodont crocodiles in Australia. *J. Sydney Speleo. Soc.* **22**: 3–10.

1978b. Age of the Chillagoe crocodile. *Search* **9**: 156–8.

1979. *Crocodylus porosus* from the Pliocene Allingham Formation of north Queensland. Results of the Ray E. Lemley expeditions, part 5. *Mem. Qd Mus.* **19**: 357–65.

1980a. Australian late Mesozoic terrestrial tetrapods: some implications. *Mem. Soc. geol. France.* **139**: 131–43.

1980b. An ankylosaur (Ornithischia: Reptilia) from the Lower Cretaceous of southern Queensland. *Mem. Qd Mus.* **20**: 77–87.

1980c. Reflections on the Mesozoic of Australia. *Mes. Vert. Life* **1**: 47–60.

1981. Pleistocene ziphodont crocodilians of Queensland. *Rec. Austral. Mus.* **33**: 803–34.

1982. *Pallimnarchus* and other Cenozoic crocodiles in Queensland. *Mem. Qd Mus.* **20**: 657–73.

& R.A. THULBORN. 1980. First pterosaur from Australia. *Nature* **288**: 361–3.

MOORE, C. 1870. Australian Mesozoic geology and palaeontology. *Quart. J. Geol. Soc. London* **26**: 226–61.

NOVOZHILOV, N. 1964. Nadsemeistvo Pliosauroidea. *In,* O.A. Orlov, ed. 'Osnovi Paleontologii: Zemnovodnie, Presmkaooshchiesia i Ptitsi'. (Moscow: Izdatelstvo 'Nauka'), p. 327–32.

OLSHEVSKY, G. 1981. Dinosaur renaissance. *Sci. Digest* **87**, 7: 34–43. (Contains restorations of Australian dinosaurs, but no textual material).

OWEN, R. 1858. Description of some remains of the gigantic land-lizard (*Megalania prisca,* Owen), from Australia. *Proc. Roy. Soc.* **9**: 273. (Abstract only).

1860. Description of some remains of the gigantic land-lizard (*Megalania prisca,* Owen), from Australia. *Phil. Trans. Roy. Soc.* **149**: 43–8.

1881. Description of some remains of the gigantic land-lizard (*Megalania prisca,* Owen), from Australia. Part II. *Phil. Trans. Roy. Soc.* **171**: 1037–49.

1882a. Description of some remains of the gigantic land-lizard (*Megalania prisca,* Owen), from Australia. Part III. *Phil. Trans. Roy. Soc.* **172**: 547–55.

1882b. On an extinct chelonian reptile (*Notochelys costata,* Owen), from Australia. *Quart. J. Geol. Soc. London* **38**: 178–83.

PATEN, R.J. 1960. Lacustrine sandstones and limestones and spring sinters of far western Queensland. *J. Geol. Soc. Austral.* **7**: 391–3.

PERSSON, P.O. 1960. Lower Cretaceous plesiosaurians (Rept.) from Australia. *Lunds Univ. Arsskr.,* avd. 2, **56,** 12:1–23.

1963. A revision of the classification of the Plesiosauria with a synopsis of the stratigraphical and geographical distribution of the group. *Lunds Univ. Arsskr.,* avd. 2, **59,** 1: 1–60.

1982. Elasmosaurid skull from the lower cretaceous of Queensland (Reptilia: Sauropterygia), *Mem. Qd. Mus.* **20**: 647–55.

PLAYFORD, G., & K.D. CORNELIUS. 1967. Palynological and lithostratigraphic features of the Razorback beds, Mount Morgan district, Queensland. *Dept. Geol. Univ. Qd Papers* **6**: 81-94.

RICH, T.H. & B. HALL. 1979. Rebuilding a giant. *Austral. Nat. Hist.* **19:** 310–3.

RIEK, E.F. 1952. The fossil insects of the Tertiary Redbank Plains Series. Part 1: An outline of the fossil assemblage with descriptions of the fossil insects of the orders Mecoptera and Neuroptera. *Univ. Qd Papers Dept. Geol.* **4:** 3–14.

ROMER, A.S., & A.D. LEWIS. 1959. A mounted skeleton of the giant plesiosaur *Kronosaurus. Breviora* **112:** 1–15.

ROZHDESTVENSKII, A.K. 1964. Podotriad Sauropoda. Zauropod. In, O.A. Orlov, ed. 'Osnovi Paleontologii: Zemnovodnie, Presmkaooshchiesia i Ptitsi'. (Moscow: Izdatelstvo 'Nauka'), p. 543–52.

D. SAINT-SEINE, P. 1955. Sauropterygia. *In,* J. Piveteau, ed. 'Traite de Paleontologie', T. 5. (Paris: Masson et Cie), p. 420–58.

SEELEY, H.G. 1891. On *Agrosaurus macgillivrayi,* a saurischian reptile from the NE-coast of Australia. *Quart. J. Geol. Soc. London* **47:** 164–5.

STAINES, H.R.E., 1954. Dinosaur footprints at Mount Morgan. *Qd Gov. Mining. J.* **632:** 483–5.

& J.T. WOODS. 1964. Recent discovery of Triassic dinosaur footprints in Queensland. *Austral. J. Sci.* **27:** 55.

STEEL, R. 1970. Saurischia. In, O. Kuhn, ed. 'Handbuch der Palaoherpetologie', T. 14. (Stuttgart: Gustav Fischer Verlag), 87 p.

STEVENS, N.C. 1973. 'A Guidebook to Field Geology in Southeast Queensland'. (Brisbane: University of Queensland Press), 131 p.

SUKHANOV, V.B., 1964. Podklass Testudinata. Testudinati. In, O.A. Orlov, ed. 'Osnovi Paleontologii: Zemnovodnie, Presmkaooshchiesia i Ptitsi'. (Moscow: Izdatelstvo 'Nauka'), P. 354–438.

TATARINOV, L.P. 1964. Obshchaia chast. In, O.A. Orlov, ed. 'Osnovi Paleontoogii: Zemnovodnie, Presmkaooshchiesia i Ptitsi'. (Moscow: Izdatelstvo 'Nauka'), p. 25–59.

THULBORN, R.A. 1979. A proterosuchian thecodont from the Rewan Formation of Queensland. *Mem. Qd Mus.* **19:** 331–55.

1980. The ankle joint of archosaurs. *Alcheringa* **4:** 241–61.

& M. WADE. 1979. Dinosaur stampede in the Cretaceous of Queensland. *Lethaia* **12:** 275–9.

& A. WARREN. 1980. Early Jurassic plesiosaurs from Australia. *Nature* **285:** 224–5.

TYLER, M.J. 1979. Herpetofaunal relationships of South America with Australia. *Monog. Mus. Nat. Hist. Univ. Kansas* **7:** 73–106.

DE VIS, C.W. 1886a. On bones and teeth of a large extinct lizard. *Proc. Roy. Soc. Qd* **2:** 25–32.

1886b On remains of an extinct saurian. *Proc. Roy. Soc. Qd* **2:** 181–91.

1889. On *Megalania* and its allies. *Proc. Roy. Soc. Qd* **6:** 93–9.

1894 The lesser chelonians of the nototherian drifts. *Proc. Roy. Soc. Qd* **10:** 123–7.

1897. The extinct fresh-water turtles of Queensland. *Ann. Qd Mus.* **3:** 3–7.

1900. A further trace of an extinct lizard. *Ann. Qd Mus.* **5**:6. (This paper bears no indication of author, however on the title page of this volume is stated 'Annals of the Queensland Museum. No. 5. By C.W. de Vis, M.A. Director'. This, together with the absence of other fossil vertebrate workers in Queensland at this time, suggests to me, as it did to Fejervary (1918) that de Vis wrote this paper.).

1907. Fossils from the Gulf watershed. *Ann. Qd Mus.* **7:** 1–7.

1911. On some Mesozoic fossils. *Ann. Qd Mus.* **10:** 1–11.

WADE, M. 1979a. A minute — a hundred million years ago. *Hemisphere* **23:** 16–21.

1979b. Tracking dinosaurs: the Winton excavation. *Austral. Nat. Hist.* **19:** 286–91.

WARREN, A. 1972a. Queensland trace fossils pose a 230 million year old problem. *Austral. Nat. Hist.* **17:** 279–83.

1972b. Triassic amphibians and reptiles of Australia in relation to Gondwanaland. *Austral. Nat. Hist.* **17:** 279–83.

1977. Jurassic labrynthodont. *Nature* **265:** 436–7.

1980. *Parotosuchus* from the early Triassic of Queensland and Western Australia. *Alcheringa* **4:** 25–36.

1981a. A horned member of the labyrinthodont superfamily Brachyopoidea from the early Triassic of Queensland. *Alcheringa* **5:** 273–88.

1981b. The lower jaw of the labyrinthodont family Brachyopidae. *Mem. Qd Mus.* **20:** 285–9.

WATSON, D.M.S. 1924. The elasmosaurid shoulder-girdle and fore-limb. *Proc. Zool. Soc. London* **1924:** 885–917.

WELLES, S.P. 1962. A new species of elasmosaur from the Aptian of Colombia and a review of the Cretaceous plesiosaurs. *Univ. Calif. Publ. Geol. Sci.* **44:** 1–96.

WHITE, T.E. 1935. On the skull of *Kronosaurus queenslandicus* Longman, *Occas. Papers Boston Soc. Nat. Hist.* **8**: 219–28.

1940. Holotype of *Plesiosaurus longirostris* Blake and classification of the plesiosaurs. *J. Paleo.* **14**: 451–67.

WILKINS, G.H. 1928. 'Undiscovered Australia'. (London: Ernest Benn), 292 p.

WILLIAMS, K.A.W. 1966. Reptiles. *Qd Nat.* **18**: 9–15.

WOODWARD, A.S. 1888. Note on the extinct reptilian genera *Megalania,* Owen, and *Meiolania,* Owen. *Ann. Mag. Nat. Hist.* (6) **1**: 85–9.

ZANGERL, R. 1960. The vertebrate fauna of the Selma Formation of Alabama. Part V. An advanced cheloniid sea turtle. *Fieldiana: Geol. Mem.* **3**: 279–312.

ANONYMOUS. 1951. Giant dinosaur's footprints found in Darling Downs colliery. *Qd Gov. Mining J.* **52**: 583.

1952a. Dinosaur's footprints in Downs colliery. *Qd Gov. Mining J.* **53**: 107.

1952b. Dinosaur footprints. *Qd Gov. Mining J.* **53**: 949–50.

1959. Ancient monarch of the seas. *Nat. Hist.* **68**: 22–3.

1965. Dinosaur footprints on the ceiling: Queensland, Australia. *Sci. Digest* **57**: ifc.